



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/804,937A

DATE: 07/20/2004

TIME: 12:14:14

Input Set : D:\CCF sequence.ST25.txt

Output Set: N:\CRF4\07202004\J804937A.raw

3 <110> APPLICANT: Anand-Apte , Bela  
 5 <120> TITLE OF INVENTION: TIMP3 AS VEGF INHIBITOR  
 7 <130> FILE REFERENCE: CCF-6494  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/804,937A  
 C--> 9 <141> CURRENT FILING DATE: 2004-03-19  
 9 <160> NUMBER OF SEQ ID NOS: 10  
 11 <170> SOFTWARE: PatentIn version 3.2  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 211  
 15 <212> TYPE: PRT  
 16 <213> ORGANISM: Homo sapiens  
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 20 Met Thr Pro Trp Leu Gly Leu Ile Val Leu Leu Gly Ser Trp Ser Leu  
 21 1 5 10 15  
 24 Gly Asp Trp Gly Ala Glu Ala Cys Thr Cys Ser Pro Ser His Pro Gln  
 25 20 25 30  
 28 Asp Ala Phe Cys Asn Ser Asp Ile Val Ile Arg Ala Lys Val Val Gly  
 29 35 40 45  
 32 Lys Lys Leu Val Lys Glu Gly Pro Phe Gly Thr Leu Val Tyr Thr Ile  
 33 50 55 60  
 36 Lys Gln Met Lys Met Tyr Arg Gly Phe Thr Lys Met Pro His Val Gln  
 37 65 70 75 80  
 40 Tyr Ile His Thr Glu Ala Ser Glu Ser Leu Cys Gly Leu Lys Leu Glu  
 41 85 90 95  
 44 Val Asn Lys Tyr Gln Tyr Leu Leu Thr Gly Arg Val Tyr Asp Gly Lys  
 45 100 105 110  
 48 Met Tyr Thr Gly Leu Cys Asn Phe Val Glu Arg Trp Asp Gln Leu Thr  
 49 115 120 125  
 52 Leu Ser Gln Arg Lys Gly Leu Asn Tyr Arg Tyr His Leu Gly Cys Asn  
 53 130 135 140  
 56 Cys Lys Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys  
 57 145 150 155 160  
 60 Asn Glu Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly  
 61 165 170 175  
 64 Tyr Gln Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys  
 65 180 185 190  
 68 Ser Trp Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala  
 69 195 200 205  
 72 Thr Asp Pro  
 73 210  
 76 <210> SEQ ID NO: 2  
 77 <211> LENGTH: 91  
 78 <212> TYPE: PRT

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79 <213> ORGANISM: Homo sapiens  
 81 <400> SEQUENCE: 2  
 83 Val Glu Arg Trp Asp Gln Leu Thr Leu Ser Gln Arg Lys Gly Leu Asn  
 84 1 5 10 15  
 87 Tyr Arg Tyr His Leu Gly Cys Asn Cys Lys Ile Lys Ser Cys Tyr Tyr  
 88 20 25 30  
 91 Leu Pro Cys Phe Val Thr Ser Lys Asn Glu Cys Leu Trp Thr Asp Met  
 92 35 40 45  
 95 Leu Ser Asn Phe Gly Tyr Pro Gly Tyr Gln Ser Lys His Tyr Ala Cys  
 96 50 55 60  
 99 Ile Arg Gln Lys Gly Gly Tyr Cys Ser Trp Tyr Arg Gly Trp Ala Pro  
 100 65 70 75 80  
 103 Pro Asp Lys Ser Ile Ile Asn Ala Thr Asp Pro  
 104 85 90  
 107 <210> SEQ ID NO: 3  
 108 <211> LENGTH: 120  
 109 <212> TYPE: PRT  
 110 <213> ORGANISM: Homo sapiens  
 112 <400> SEQUENCE: 3  
 114 Met Thr Pro Trp Leu Gly Leu Ile Val Leu Leu Gly Ser Trp Ser Leu  
 115 1 5 10 15  
 118 Gly Asp Trp Gly Ala Glu Ala Cys Thr Cys Ser Pro Ser His Pro Gln  
 119 20 25 30  
 122 Asp Ala Phe Cys Asn Ser Asp Ile Val Ile Arg Ala Lys Val Val Gly  
 123 35 40 45  
 126 Lys Lys Leu Val Lys Glu Gly Pro Phe Gly Thr Leu Val Tyr Thr Ile  
 127 50 55 60  
 130 Lys Gln Met Lys Met Tyr Arg Gly Phe Thr Lys Met Pro His Val Gln  
 131 65 70 75 80  
 134 Tyr Ile His Thr Glu Ala Ser Glu Ser Leu Cys Gly Leu Lys Leu Glu  
 135 85 90 95  
 138 Val Asn Lys Tyr Gln Tyr Leu Leu Thr Gly Arg Val Tyr Asp Gly Lys  
 139 100 105 110  
 142 Met Tyr Thr Gly Leu Cys Asn Phe  
 143 115 120  
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 147 <211> LENGTH: 1240  
 148 <212> TYPE: DNA  
 149 <213> ORGANISM: Homo sapiens  
 151 <400> SEQUENCE: 4  
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 154 cgcggggcgc cggcccgccg agtcctgcgc cagcggcagag gcagcctcgcc tgcgcggccat 120  
 156 cccgtcccgcc cgggcactcg gagggcagcg cggccggaggc caaggttgcc cgcacggcc 180  
 158 cggcggggcga gcgagctcggt gctgcagcag ccccgccggc ggcgcgcacg gcaactttgg 240  
 160 agaggcgagc agcagccccg gcagcggcgg cagcagcgcc aatgaccct tggctcgggc 300  
 162 tcatcgtgct cctgggcagc tggagcctgg gggactgggg cgccggaggcg tgcacatgct 360  
 164 cgccccagcca cccccaggac gccttctgca actccgacat cgtgatccgg gccaagggtgg 420  
 166 tggggaaagaa gctggtaaag gagggccct tcggcacgct ggtctacacc atcaaggcaga 480  
 168 tgaagatgta ccgaggcttc accaagatgc cccatgtgca gtacatccat acggaaggctt 540

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170	ccgagagtct	ctgtggcctt	aagctggagg	tcaacaagta	ccagtacctg	ctgacaggc	600										
172	gcgtctatga	tggcaagatg	tacacggggc	tgtcaactt	cgtggagagg	tgggaccagc	660										
174	tcaccctctc	ccagcgaag	gggctgaact	atcggtatca	cctgggttgt	aactgcaaga	720										
176	tcaagtcctg	ctactacctg	cctgctttg	tgacttcaa	gaacgagtgt	ctctggaccg	780										
178	acatgctctc	caatttcgtt	taccctggct	accagtccaa	acaatcagcc	tgcattccgc	840										
180	agaagggcgg	ctactgcagc	tggtaccgag	gatggccccc	cccgataaaa	agcatcatca	900										
182	atgccacaga	cccctgagcg	ccagaccctg	ccccacctca	cttccctccc	ttcccgctga	960										
184	gctcccttg	gacactaact	cttcccgat	gatgacaatg	aaatttagtgc	ctgtttctt	1020										
186	gcaaatttag	cacttggAAC	attaaagaa	aggtctatgc	tgtcatatgg	ggttattgg	1080										
188	gaactatcct	cctggcccca	coctgcccct	tcttttggt	tttgacatca	ttcatttcca	1140										
190	cctggaaatt	tctggtgcca	tgccagaaaag	aatgaggaac	ctgtattcct	cttcttcgtg	1200										
192	ataatataat	ctctatTTT	ttaggaaaaaa	aaaaaaaaaa			1240										
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196	<211>	LENGTH:	273														
197	<212>	TYPE:	DNA														
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203	ctgggtgt	ta	ctgc	actacctgc	ttgtgtt	gacttccaag	120										
205	aacgagtgtc	tctggaccga	catgctctcc	aatttcgtt	accctggcta	ccagtc	180										
207	cactacgcct	gcatccggca	gaagggcggc	tactgcagct	ggtaccgagg	atgggcccc	240										
209	ccggataaaa	gcatcatcaa	tgccacagac	ccc			273										
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214	<212>	TYPE:	PRT														
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217	<400>	SEQUENCE:	6														
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220	1				5				10					15			
223	Ile	Val	Ile	Arg	Ala	Lys	Val	Val	Gly	Lys	Lys	Leu	Val	Lys	Glu	Gly	
224						20			25					30			
227	Pro	Phe	Gly	Thr	Leu	Val	Tyr	Thr	Ile	Lys	Gln	Met	Lys	Met	Tyr	Arg	
228							35		40			45					
231	Gly	Phe	Thr	Lys	Met	Pro	His	Val	Gln	Tyr	Ile	His	Thr	Glu	Ala	Ser	
232						50			55			60					
235	Glu	Ser	Leu	Cys	Gly	Leu	Lys	Leu	Glu	Val	Asn	Lys	Tyr	Gln	Tyr	Leu	
236						65			70			75			80		
239	Leu	Thr	Gly	Arg	Val	Tyr	Asp	Gly	Lys	Met	Tyr	Thr	Gly	Leu	Cys	Asn	
240						85			90			95					
243	Phe	Val	Glu	Arg	Trp	Asp	Gln	Leu	Thr	Leu	Ser	Gln	Arg	Lys	Gly	Leu	
244						100			105			110					
247	Asn	Tyr	Arg	Tyr	His	Leu	Gly	Cys	Asn								
248						115			120								
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252	<211>	LENGTH:	220														
253	<212>	TYPE:	PRT														
254	<213>	ORGANISM:	Homo sapiens														
256	<400>	SEQUENCE:	7														
258	Met	Gly	Ala	Ala	Ala	Arg	Thr	Leu	Arg	Leu	Ala	Leu	Gly	Leu	Leu	Leu	

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259	1	5	10	15													
262	Leu	Ala	Thr	Leu	Leu	Arg	Pro	Ala	Asp	Ala	Cys	Ser	Cys	Ser	Pro	Val	
263				20			25								30		
266	His	Pro	Gln	Gln	Ala	Phe	Cys	Asn	Ala	Asp	Val	Val	Ile	Arg	Ala	Lys	
267							35							40		45	
270	Ala	Val	Ser	Glu	Lys	Glu	Val	Asp	Ser	Gly	Asn	Asp	Ile	Tyr	Gly	Asn	
271							50						55		60		
274	Pro	Ile	Lys	Arg	Ile	Gln	Tyr	Glu	Ile	Lys	Gln	Ile	Lys	Met	Phe	Lys	
275	65					70					75				80		
278	Gly	Pro	Glu	Lys	Asp	Ile	Glu	Phe	Ile	Tyr	Thr	Ala	Pro	Ser	Ser	Ala	
279							85				90				95		
282	Val	Cys	Gly	Val	Ser	Leu	Asp	Val	Gly	Gly	Lys	Glu	Tyr	Leu	Ile		
283						100				105				110			
286	Ala	Gly	Lys	Ala	Glu	Gly	Asp	Gly	Lys	Met	His	Ile	Thr	Leu	Cys	Asp	
287							115			120				125			
290	Phe	Ile	Val	Pro	Trp	Asp	Thr	Leu	Ser	Thr	Thr	Gln	Lys	Lys	Ser	Leu	
291							130			135				140			
294	Asn	His	Arg	Tyr	Gln	Met	Gly	Cys	Glu	Cys	Lys	Ile	Thr	Arg	Cys	Pro	
295	145					150				155				160			
298	Met	Ile	Pro	Cys	Tyr	Ile	Ser	Ser	Pro	Asp	Glu	Cys	Leu	Trp	Met	Asp	
299							165				170			175			
302	Trp	Val	Thr	Glu	Lys	Asn	Ile	Asn	Gly	His	Gln	Ala	Lys	Phe	Phe	Ala	
303							180				185			190			
306	Cys	Ile	Lys	Arg	Ser	Asp	Gly	Ser	Cys	Ala	Trp	Tyr	Arg	Gly	Ala	Ala	
307							195			200				205			
310	Pro	Pro	Lys	Gln	Glu	Phe	Leu	Asp	Ile	Glu	Asp	Pro					
311						210				215				220			
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315	<211>	LENGTH:	126														
316	<212>	TYPE:	PRT														
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319	<400>	SEQUENCE:	8														
321	Cys	Ser	Cys	Ser	Pro	Val	His	Pro	Gln	Gln	Ala	Phe	Cys	Asn	Ala	Asp	
322	1				5				10					15			
325	Val	Val	Ile	Arg	Ala	Lys	Ala	Val	Ser	Glu	Lys	Glu	Val	Asp	Ser	Gly	
326						20				25				30			
329	Asn	Asp	Ile	Tyr	Gly	Asn	Pro	Ile	Lys	Arg	Ile	Gln	Tyr	Glu	Ile	Lys	
330							35			40				45			
333	Gln	Ile	Lys	Met	Phe	Lys	Gly	Pro	Glu	Lys	Asp	Ile	Glu	Phe	Ile	Tyr	
334							50			55				60			
337	Thr	Ala	Pro	Ser	Ser	Ala	Val	Cys	Gly	Val	Ser	Leu	Asp	Val	Gly	Gly	
338							65			70				75		80	
341	Lys	Lys	Glu	Tyr	Leu	Ile	Ala	Gly	Lys	Ala	Glu	Gly	Asp	Gly	Lys	Met	
342								85			90				95		
345	His	Ile	Thr	Leu	Cys	Asp	Phe	Ile	Val	Pro	Trp	Asp	Thr	Leu	Ser	Thr	
346								100			105				110		
349	Thr	Gln	Lys	Lys	Ser	Leu	Asn	His	Arg	Tyr	Gln	Met	Gly	Cys			
350								115			120				125		
353	<210>	SEQ	ID	NO:	9												

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354 <211> LENGTH: 67  
355 <212> TYPE: PRT  
356 <213> ORGANISM: Homo sapiens  
358 <400> SEQUENCE: 9  
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361 1 5 10 15  
364 Asn Glu Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly  
365 20 25 30  
368 Tyr Gln Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys  
369 35 40 45  
372 Ser Trp Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala  
373 50 55 60  
376 Thr Asp Pro  
377 65  
380 <210> SEQ ID NO: 10  
381 <211> LENGTH: 193  
382 <212> TYPE: PRT  
383 <213> ORGANISM: Homo sapiens  
385 <400> SEQUENCE: 10  
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391 Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly  
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395 Asn Asp Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys  
396 35 40 45  
399 Gln Ile Lys Met Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr  
400 50 55 60  
403 Thr Ala Pro Ser Ser Ala Val Cys Gly Val Ser Leu Asp Val Gly Gly  
404 65 70 75 80  
407 Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asp Gly Lys Met  
408 85 90 95  
411 His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Thr  
412 100 105 110  
415 Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys Cys Lys  
416 115 120 125  
419 Ile Lys Ser Cys Tyr Tyr Leu Pro Cys Phe Val Thr Ser Lys Asn Glu  
420 130 135 140  
423 Cys Leu Trp Thr Asp Met Leu Ser Asn Phe Gly Tyr Pro Gly Tyr Gln  
424 145 150 155 160  
427 Ser Lys His Tyr Ala Cys Ile Arg Gln Lys Gly Gly Tyr Cys Ser Trp  
428 165 170 175  
431 Tyr Arg Gly Trp Ala Pro Pro Asp Lys Ser Ile Ile Asn Ala Thr Asp  
432 180 185 190  
435 Pro

**VERIFICATION SUMMARY**

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DATE: 07/20/2004

TIME: 12:14:15

Input Set : D:\CCF sequence.ST25.txt

Output Set: N:\CRF4\07202004\J804937A.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date